

Class HW3Testbed

java.lang.Object
application.HW3Testbed

```
public class HW3Testbed
extends Object
```

HW3Testbed Class

Constructor Summary

Constructors

| Constructor | Description |
|---------------------------|--------------------|
| <code>HW3Testbed()</code> | |

Method Summary

All Methods **Static Methods**

Concrete Methods

| Modifier and Type | Method | Description |
|--------------------------|-----------------------------------|---|
| static void | <code>main(String [] args)</code> | Main method to execute all automated tests for the discussion board |
| static void | <code>testMultipleAnswer</code> | Test: Multiple answers to same question |
| static void | <code>testProposeAnswer</code> | Test: Student can propose answer to selected question |
| static void | <code>testProposeAnswer</code> | Test: System prevents answer without question |
| static void | <code>testUpdateAnswer</code> | Test: Student can update their |

answer

static void **testUpdateQuestio** Test: Student can update their question

Contents**Filter**[Description](#)[Constructor Summary](#)[Method Summary](#)**Constructor Details**[HW3Testbed\(\)](#)[Method Details](#)[main\(String\[\]\)](#)[testUpdateQuestion\(\)](#)[testUpdateAnswer\(\)](#)[testProposeAnswerToQuestion\(\)](#)[testProposeAnswerWithoutQue](#)[testMultipleAnswersToQuestion](#)**Methods inherited from class java.lang.Object**

[equals](#) , [getClass](#) , [hashCode](#) , [notify](#) , [notifyAll](#) , [toString](#) , [wait](#) , [wait](#) , [wait](#)

Constructor Details**HW3Testbed**

public HW3Testbed()

Method Details**main**

public static void main(String [] args)

Main method to execute all automated tests for the discussion board

Parameters:

args - command line arguments (not used)

Since:

1.0

testUpdateQuestion

public static void testUpdateQuestion()
throws
SQLException

Test: Student can update their question

Creates a test question, updates its content, and verifies the changes persist in the database.

Throws:



`SQLException` - if database operations fail during test execution

`AssertionError` - if any test verification fails

Since:

1.0

testUpdateAnswer

```
public static void testUpdateAnswer()  
    throws SQLException
```

Test: Student can update their answer

Creates a test answer, updates its content, and verifies the changes persist in the database.

Throws:

`SQLException` - if database operations fail during test execution

`AssertionError` - if any test verification fails

Since:

1.0

testProposeAnswerToQuestion

```
public static void testProposeAnswerToQuestion()  
    throws  
SQLException
```

Test: Student can propose answer to selected question

Creates a test question and associates an answer with it, then verifies the association is correctly stored.

Throws:

`SQLException` - if database operations fail during test execution

`AssertionError` - if any test verification fails

Since:

1.0

testProposeAnswerWithoutQuestion

```
public  
static void testProposeAnswerWithoutQuestion()
```

```
throws SQLException
```

Test: System prevents answer without question

Attempts to create an answer without a valid question reference and verifies the system properly rejects the operation.

Throws:

`SQLException` - if database operations fail during test execution

`AssertionError` - if test logic fails unexpectedly

Since:

1.0

testMultipleAnswersToQuestion

```
public  
static void testMultipleAnswersToQuestion()  
    throws  
SQLException
```

Test: Multiple answers to same question

Creates multiple answers for a single question and verifies all answers are correctly associated and retrievable.

Throws:

`SQLException` - if database operations fail during test execution

`AssertionError` - if any test verification fails

Since:

1.0